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**NATIONAL PHOTOGRAPHIC
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PHOOTOGRAPHIC
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REPORT

**SS-16/-20-ASSOCIATED COMMAND
AND CONTROL ACTIVITY, USSR
15 OCTOBER 1977 – 19 MARCH 1978
(TSR)**

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SS-16/-20-ASSOCIATED COMMAND AND CONTROL ACTIVITY, USSR 15 OCTOBER 1977—19 MARCH 1978 (TSR)

INTRODUCTION

1. [] This report updates NPIC report [] and describes significant developments associated with the command and control of the Soviet SS-16/-20 mobile missile system observed at SS-16/-20-associated facilities (Figure 1) from 15 October 1977 through 19 March 1978.
2. (U) This report includes a location map and ten annotated photographs.

BASIC DESCRIPTION

SS-16/-20 Activity at Deployed SRF Facilities

Konkovichi MRBM Regimental Command Post/Bunker

3. [] two horizontal dipole antennas were identified near the Konkovichi Regimental Command Post Bunker []. The antennas are oriented on azimuths of 55/235 degrees [] with Moscow and Vnitsa as the probable correspondents (Figure 2). One of the four previously reported 30-meter-high masts was used as part of one of the antennas. The footings for the antennas were at the bunker []. Feedlines to the dipole antennas could not be identified.

Kozhanovichi MRBM Regimental Headquarters Receiver/ Bunker/Hard

4. [] three masts had been constructed at the Kozhanovichi MRBM Regimental Headquarters Receiver/Bunker/Hard []. Two of the masts are 30 meters high; the third mast could not be measured on available imagery. These three masts were cable connected to both the command post bunker and the C-shaped building. This building was first seen under construction [] and was externally complete []. It is at the southern edge of the receiver facility and is cable connected to the command post bunker and to other SS-20-associated buildings in the support area. These cable connections indicate that the C-shaped building probably has an SS-20 command and control function.

Mozyr Mobile IRBM Base/Training Facility

5. [] A C-shaped building, similar to the one seen at Kozhanovichi, has been identified at the Mozyr Mobile IRBM Base/Training Facility []. This building was first

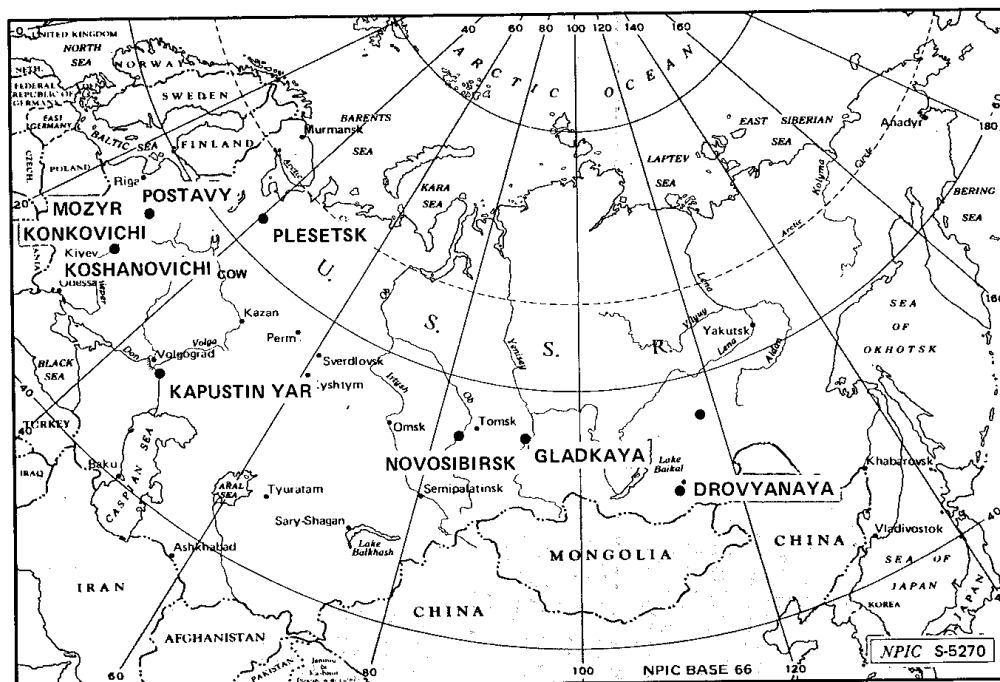


FIGURE 1. LOCATIONS OF SS-16/-20-ASSOCIATED MOBILE MISSILE FACILITIES, USSR

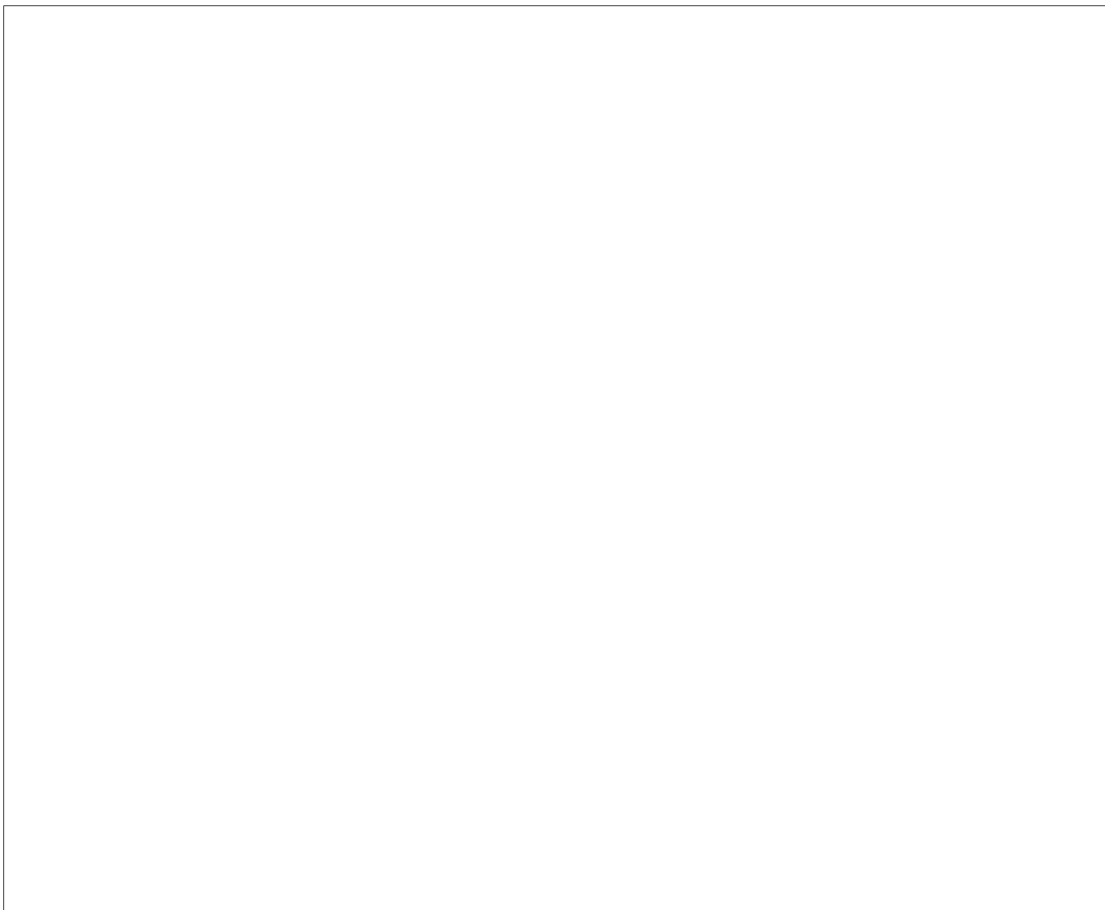
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seen under construction [redacted] and was complete when observed [redacted]
[redacted] a horizontal dipole antenna, oriented toward Moscow, had
been constructed east of the building and a 30-meter mast had been constructed near the building.
As with the C-shaped building at Kozhanovichi, this C-shaped building probably also has an SS-20
command and control function.

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Postavy IR/MRBM Division Headquarters Radio Receiver/ Bunker/Hard

6. [redacted] a trailer-mounted TWIN EAR troposcatter communications
unit in the travel mode was parked at the north end of the Postavy IR/MRBM Division Headquar-
ters Radio Receiver/Bunker/Hard [redacted]. The only previous identification of a
TWIN EAR unit associated with the mobile missile bases at MRBM sites was at the Konkovich
MRBM Regimental Headquarters Receiver/Bunker/Hard [redacted]

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Postavy IR/MRBM Division Headquarters Radio Communications Transmitter Station

7. [redacted] a pair of drive-in revetments was occupied by possi-
ble mobile communications vans at the Postavy IR/MRBM Division Headquarters Radio Com-
munications Transmitter Station [redacted]. One of these revetments was first ob-
served [redacted] and was cable connected to the control building. The second
revetment [redacted] and is believed to be cable connected
to the control building. These communications vans may be associated with the SS-20 activity
identified within the Postavy Division.

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Postavy MRBM Regimental Command Post/Bunker

8. [redacted] Modification of the Postavy MRBM Regimental Command Post/Bunker [redacted]
[redacted] In addition to several small excava-
tions on top of the bunker, two cable entrance ports had been constructed on the west side of the
bunker. On later coverage it appeared that additional earth mounding had been added to the
bunker.

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9. [] a new frequency diverse pair of horizontal dipole antennas had been constructed in a small clearing west of the command post bunker (Figure 8). The two new dipoles are oriented [] with Moscow as the probable correspondent. These antennas were not present [] They are believed to be related to the SS-20 activity at Postavy.

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Novosibirsk ICBM Complex Command Post/Bunker

10. [] a 2-2-2 fishbone antenna (Figure 9) oriented toward Moscow was observed under construction at the southern edge of the Novosibirsk ICBM Complex Command Post/Bunker [] It was complete when observed [] excavation activity had been started on the command post bunker. [] this excavation had been expanded and four square excavations were observed in an area 40 meters north of the bunker. This activity is believed to be associated with the SS-20 activity at this complex.

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Novosibirsk ICBM Headquarters Radio Communications Transmitter Station

11. [] two double rhombic antennas oriented toward Moscow had been removed from the Novosibirsk ICBM Headquarters Radio Communications Transmitter Station [] extensive ground scarring was observed, suggesting that new antennas may be added. The timing of this activity suggests that the addition of new antennas at the command post bunker and transmitter station is associated with SS-20 activity at this complex.

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SS-16/-20 Activity at Missile/Space Test Centers

Plesetsk SRF Army Missile/Space Test Complex Communications Center

12. [] A review of previous photographic coverage of the Plesetsk SRF Army Missile/Space Test Complex Communications Center [] has revealed that cable trenching exists at each of the two groups of 30-meter lattice towers (Figure 10). Cable trenching appears to connect the first group of towers to the control building. In the second group, four of the five towers appear to be cable connected to the small building near the towers. Cable trenching extends

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from this building to another small building near the TWIN EAR parking apron. The fifth tower is cable connected to a support building next to the control building.

Kapustin Yar Missile/Space Test Center

13. [redacted] in the MR/IRBM bivouac/troop training area at Kapustin Yar Missile/Space Test Center [redacted] a truck-mounted TWIN EAR unit was identified on the parking apron. This was the first time since September 1975 that an additional vehicle has been observed with the two previously reported¹ trailer-mounted TWIN EAR unit and support equipment. [redacted] one of the trailer-mounted TWIN EAR unit had been moved closer to the second trailer-mounted TWIN EAR unit and two additional vehicles were on the parking apron.

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Other Possible SS-16/-20-Associated Activity**Gladkaya ICBM Complex Command Post/Bunker**

14. [] a 30-meter-high lattice tower (Figure 11) had been erected on one of the two footings first seen at the Gladkaya ICBM Complex Command Post/Bunker. [] Also, the previously reported extensive excavation on the command post bunker had been filled in.

15. [] Construction was continuing on a building foundation situated between the command post bunker and the complex headquarters communications satellite station. The type of building and its future function are not known.

Gladkaya ICBM Headquarters Radio Communications Receiver Station

16. [] a 30-meter-high lattice tower was identified near the south side of the Gladkaya ICBM Headquarters Radio Communications Receiver Station. [] Also, the 3-2-2-3 fishbone antenna, which was under construction [] had been completed []. The new antenna is southeast of the bunker and is oriented toward Moscow.

Imagery Analyst's Comments

17. [] As construction of SS-20 mobile missile bases continues, a possible pattern is being established indicating where 30-meter-high towers and 30-meter-high masts will be constructed. Based on observations at Drovyanaya, Novosibirsk, Konkovich, Kozhanovich, and Mozyr mobile IRBM bases, it seems that 30-meter-high lattice towers are constructed at mobile IRBM bases at old ICBM complexes and 30-meter-high masts are constructed at mobile IRBM bases at old MRBM sites. The reason for this variation has not been determined.

REFERENCES**MAPS OR CHARTS**

ACIC. US Air Target Chart, Series 200, Various Sheets, scale 1:200,000 (UNCLASSIFIED)

DOCUMENT

1. NPIC [] SS-X-16/-20-Associated Command and Control Activity, USSR [] Nov 77
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REQUIREMENT

Project 130000NY

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